

ULTRASONIC WASHER

Patent Number: JP9192618
Publication date: 1997-07-29
Inventor(s): MATSUZAKI NOBUKI
Applicant(s): SHIBAURA ENG WORKS CO LTD
Requested Patent: ☐ JP9192618
Application Number: JP19960005809 19960117
Priority Number(s):
IPC Classification: B08B3/12 ; B01J19/10 ; H01L21/304
EC Classification:
Equivalents:

Abstract

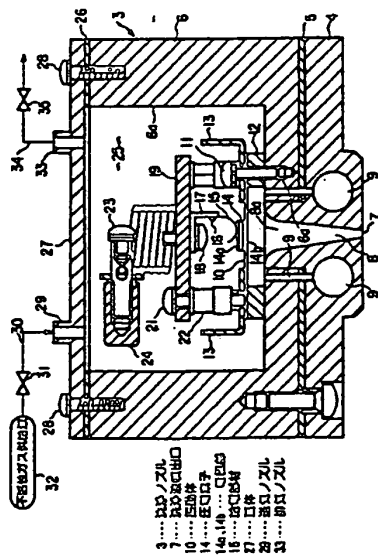
PROBLEM TO BE SOLVED: To prevent the oxidation of an electrode part and a feeder member of a piezoelectric element and also to remove fine particles stuck on a material to be washed with a high degree of efficiency by forming an enclosed space for housing a piezoelectric element and a feeder member in a washing nozzle and making the inside of the enclosed space under inert gas atmosphere or dry air atmosphere.

SOLUTION: A prismatic washing nozzle 3 mounted on a conveyor has a planar lower material 4 and a prismatic upper material 6 having a recessed part 6a on the upper surface thereof, and a washing liquid jetting port 7 is provided on the back surface of the lower material 4. A washing liquid flows through liquid supply paths 9 and flows into an end opening 8a of a diffuser space 8, and a thin sheet vibrating body 10 is installed opposite to a washing liquid jetting port 7. A piezoelectric element 14 is installed in the central part of the upper surface of the vibrating body 10, and high frequency voltage supplied to a feeder terminal 24 from a high frequency power source is fed to the piezoelectric element 14 through a coil 23, a metal plate 19 and a feeder member 15. In an enclosed space 25 formed of a cover 27, air atmosphere is replaced with inert gas atmosphere.

Data supplied from the esp@cenet database - I2

(5)

【図1】



【図2】

